

AMENDMENT TO THE CLAIMS

This listing of claims replaces all previous listings of claims.

1. (Currently amended) Tool for generating a microstructured microstructure on a surface, the tool comprising:

a matrix with a negative of the microstructure to be generated; and

a pressure roller assembly comprising a first pressure roller, the pressure roller assembly moveably driveable over a over the surface, the matrix being disposed around the pressure roller assembly for pressing the matrix onto the surface,

in which:

the pressure roller assembly and matrix are arranged so that, when a center of gravity of the pressure roller assembly is driven over the surface, the matrix executes a rolling movement between the first pressure roller and the surface, so that with the negative of the matrix faces-microstructure to be generated facing towards the surface, and

a device for accelerating the curing of a curable material is arranged-coupled to the pressure roller assembly so that when the pressure roller assembly is driven over the surface the curing acceleration device accompanies the movement of moves along with the pressure roller assembly and the curing acceleration device acts on a part of the surface over which the pressure roller assembly has been driven.

2. (Previously Presented) Tool according to claim 1, wherein the matrix has a Shore hardness A of 25 – 40.

3. (Previously Presented) Tool according to claim 1, wherein a second roller is arranged so that when the tool is driven over the surface the second roller removes the matrix from the surface.

4. (Currently Amended) Tool according to claim 1, wherein a surface material of the first pressure roller has a Shore hardness A of 20 to 50.

5. (Previously Presented) Tool according to claim 1, wherein the tool is arranged so that the microstructuring of doubly curved surfaces is permitted.
6. (Previously Presented) Tool according to claim 1, wherein the device for accelerating the curing comprises a lamp and/or a heating device for irradiating and/or heating the surface that can be microstructured.
7. (Original) Tool according to claim 6, wherein the lamp is a UV light source.
8. (Previously Presented) Tool according to claim 6, wherein the device for accelerating the curing is mounted so that the curing of a curable material on the surface that can be microstructured is effected through irradiation or heating of the matrix.
9. (Previously Presented) Tool according to claim 1, wherein the tool comprises a device for applying a curable material to a substrate or to the matrix.
10. (Canceled)
11. (Previously Presented) Method for generating an at least partially microstructured surface, comprising the following steps:
 - a) provision of a surface that can be microstructured,
 - b) provision of a tool according to claim 1,
 - c) microstructuring of the surface by means of the tool.
12. (Previously Presented) Method according to claim 11, comprising the step of curing by the tool a curable material on the surface that can be microstructured.
13. (Previously Presented) Method according to claim 12, in which the curing takes place through irradiation or heating of the matrix.

14. (Previously Presented) Method according to claim 11, comprising the application of a curable material to a substrate or to the matrix by the tool, so that according to step a) a surface that can be microstructured is provided.

15. (Previously Presented) Object with a multiply curved surface and, in the region of the multiple curvature, an at least partially microstructured surface, wherein the microstructure in the region of the multiple curvature is generated by means of a tool according to claim 1.

16. (Previously Presented) Tool according to claim 2, wherein:

a second roller is arranged so that when the tool is driven over the surface the second roller removes the matrix;

the surface material of the pressure roller has a Shore hardness A of 20 to 50;

the tool is arranged so that the microstructuring of doubly curved surfaces is permitted;

the device for accelerating the curing comprises a lamp and/or a heating device for irradiating and/or heating the surface that can be microstructured;

the lamp is a UV light source;

the device for accelerating the curing is mounted so that the curing of a curable material on the surface that can be microstructured is effected through irradiation or heating of the matrix; and

the tool comprises a device for applying a curable material to a substrate or to the matrix.

17. (Canceled)

18. (Previously Presented) Method for generating an at least partially microstructured surface, comprising the following steps:

- a) provision of a surface that can be microstructured,
- b) provision of a tool according to claim 16,
- c) microstructuring of the surface by means of the tool.

19. (Previously Presented) Method according to claim 18, comprising the step of curing by the tool a curable material on the surface that can be microstructured.
20. (Previously Presented) Method according to claim 19, in which the curing takes place through irradiation or heating of the matrix, and comprising the application of a curable material to a substrate or to the matrix by the tool, so that according to step a) a surface that can be microstructured is provided.
21. (Previously Presented) Object with a multiply curved surface and, in the region of the multiple curvature, an at least partially microstructured surface, wherein the microstructure in the region of the multiple curvature is generated by means of a tool according to claim 11.
22. (Currently Amended) Tool according to claim 4, wherein the surface material of the first pressure roller has a diameter of 10 - 50 cm and/or a length of 20-100 cm.
23. (Currently Amended) Tool according to claim 16, wherein the surface material of the first pressure roller has a diameter of 10 - 50 cm and/or a length of 20-100 cm.
24. (NEW) A tool for generating a microstructure on a surface, the tool comprising:
a pressure roller assembly having at least one pressure roller, the pressure roller assembly being moveably driveable over the surface;
a matrix having, on one side thereof, a negative of the microstructure to be generated, the matrix being an endless strip disposed around the at least one pressure roller of the pressure roller assembly with the negative of the microstructure facing outwardly; and
a device for accelerating the curing of a curable material, the curing device being coupled to the pressure roller assembly,
wherein, when a center of gravity of the pressure roller assembly executes a movement on the surface, the matrix executes a rolling movement between the at least one pressure roller and the surface, with the negative of the matrix contacting the surface, and

wherein the curing device moves along with the pressure roller assembly and acts on a part of the surface over which the pressure roller assembly has been driven.